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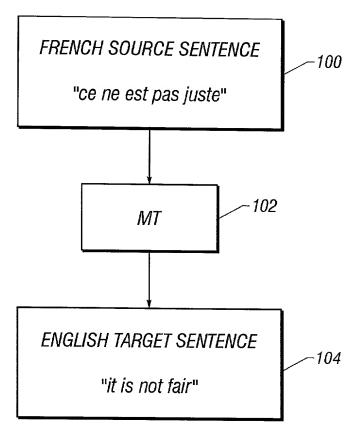


FIG. 1A

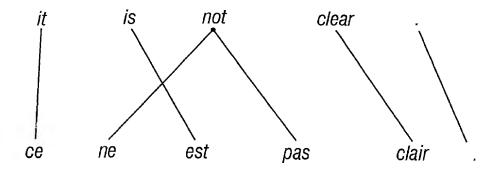


FIG. 1B

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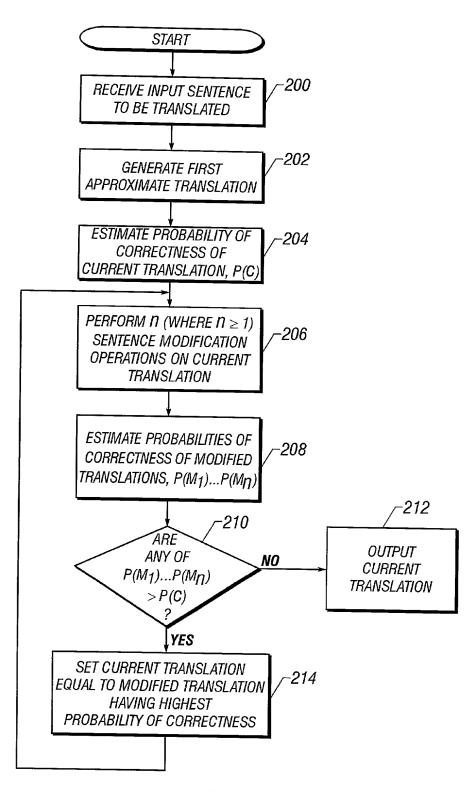


FIG. 2

ACTION NULL well heard, it talking a beautiful victory. translateTwoWords (5, talks, 7, great) bien entendu , il parle de une belle victoire . NULL well heard, it talks a great victory *translateTwoWords* (2, understood, 0, about) bien entendu , il parle de une belle victoire . NULL well understood, it talks about a great victory translateOneWord (4, he) bien entendu , il parle de une belle victoire . NULL well understood, he talks about a great victory. translateTwoWords bien entendu , il parle de une belle victoire . (1, quite, 2, naturally) NULL quite naturally, he talks about a great victory.

bien entendu , il parle de une belle victoire .

ITERATION 1

ce ne est pas juste.

that is not fair.

Aprob = 1.13162e-22 LMprob = 2.98457e-14 TMprob = 3.79156e-09

ITERATION 2

Change not -> ne to is -> ne

ce ne est pas juste.

that is is not fair.

Aprob = 9.95934e-19 LMprob = 8.65626e-10 TMprob = 1.15054e-09

ITERATION 3

Increase fertility. Change is -> est to is -> est

ce ne est pas juste.

that is not fair.

Aprob = 2.65104e-16 LMprob = 5.05036e-06 TMprob = 5.24921e-11

ITERATION 4

Change that -> ce to it -> ce

ce ne est pas juste.

it is not fair.

Aprob = 3.82599e-16 LMprob = 6.63863e-06 TMprob = 5.76322e-11

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cont	doordo		
sent length	decoder	time	translation
ichigui	type	(sec/sent)	errors (semantic
			and/or syntactic)
6	stack _,	13.72	42
6	greedy	1.58	46
6	greedy*	0.07	46
8	stack	45.45	59
8 8	greedy	2.75	68
8	greedy*	0.15	69
10	stack	105.15	57
10	greedy	3.83	63
10	greedy*	0.20	68
15	stack	>2000	74
15	greedy	12.06	75 l
15	greedy*	1.11	75
15	greedy ¹	0.63	76
20	greedy	49.23	86
20	greedy*	11.34	93
20	greedy1	0.94	93

FIG. 5

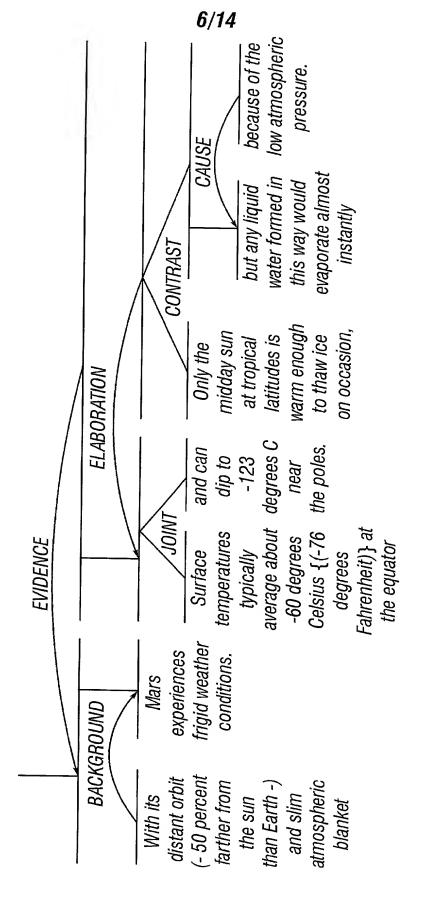


FIG. 6

[厚生省が昨年公表した¹]
[人口の将来推計では、²]
[将来、一・四九九人を最低に、³]
[その後は上昇に転ずると⁴]
[推計していたが、⁵]
[早くも予想がはずれる⁶]
[見通しとなった。⁷]

FIG. 7

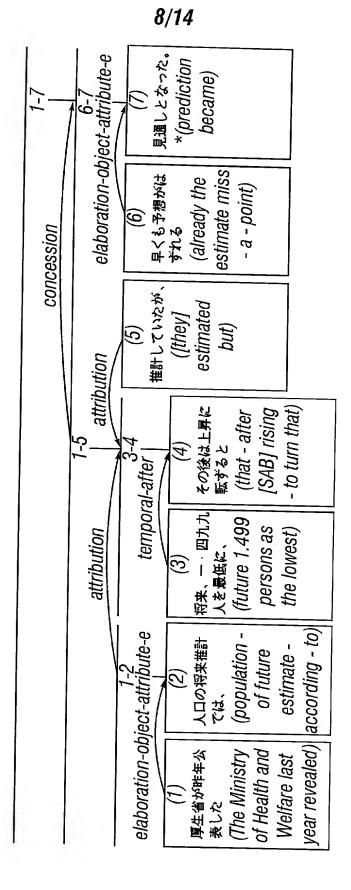
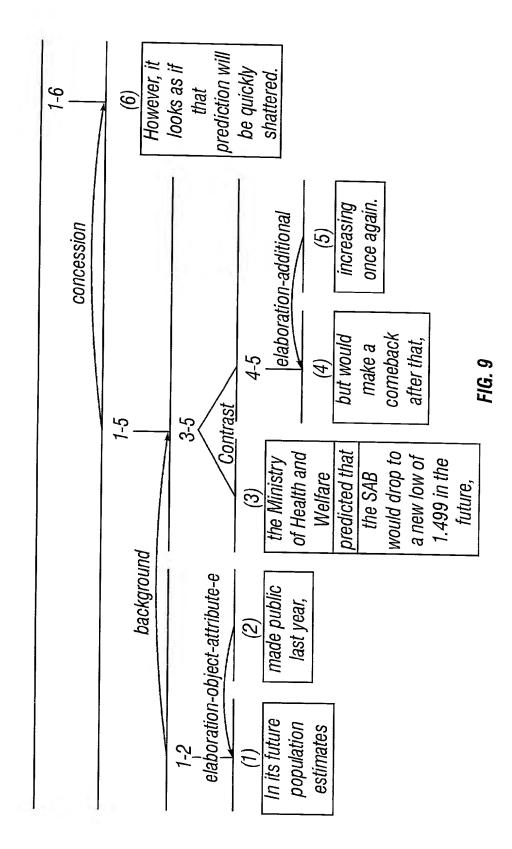


FIG. 8



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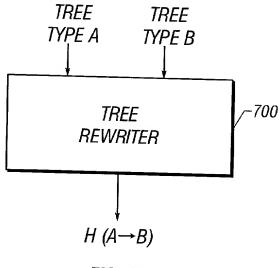


FIG. 10

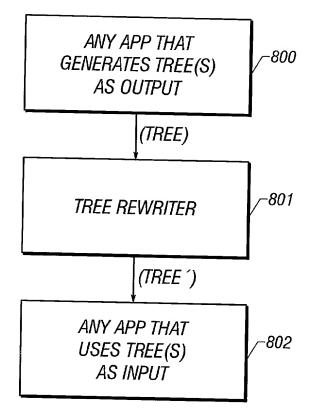
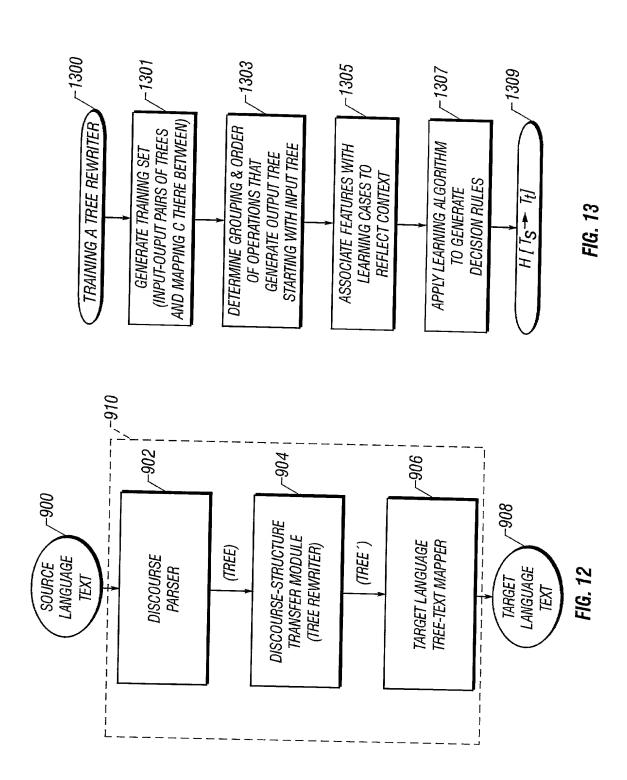


FIG. 11



i.E
1,6
- Sec.
ļ.
N
77.7
ĒĪ.
ļ.Ē
Sec.
14 m
4
i i

BREAK 2	7 ··· SWAP 2	7 ··· SHIFT	SHIFT	REDUCE-NS-ELABORATION- OBJECT-ATTRIBUTE-E	SHIFT; SHIFT	FUSE	SWAP 2; SHIFT; FUSE	
	2 9		/					
		9		/	:			
9	5	5	9	/	7			14A
5	4	4	5	9	9			FIG. 14A
4	w	\mathcal{n}	4	5	5	/		
S	2	1-	\mathcal{n}	4	4	9	9	
2	=	=	1=	m	E E			
1-	-	2	7=	1-	TRIBUT	<u>E_E</u> .	RIBUTE	
			2	2 1"	ELABORATION_OBJECT_ATTRIBUTE_E $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	ELABORATION_OBJECT_ATTRIBUTE_E 2 1" 1' 3 4	ELABORATION_OBJECT_ATTRIBUTE_E $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	

	ITIONAL	13,	/14	
BREAK 2; SHIFT; SHIFT	REDUCE-NS-ELABORATION-ADDITIONAL	REDUCE-NN-CONTRAST	REDUCE-SN-BACKGROUND	ASSIGNTYPE SENTENCE
ELABORATION OBJECT ATTRIBUTE E $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	ELABORATION OBJECT ATTRIBUTE E $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	ELABORATION OBJECT ATTRIBUTE E A A A A A A A	ELABORATION OBJECT ATTRIBUTE E CONTRAST $ 2 7 \dots $ CONTRAST $ 4' 4'' 4'' $	ELABORATION OBJECT ATRIBUTE E $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$



